

## WEST Search History





DATE: Wednesday, March 17, 2004

Hide?	<u>Set</u> <u>Name</u>	<u>Query</u>	<u>Hit</u> <u>Count</u>
	<i>DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>		
<input type="checkbox"/>	L26	(5085219  5197474  5477146  5552707)! [pn]	8
	<i>DB=USPT; PLUR=YES; OP=ADJ</i>		
<input type="checkbox"/>	L25	5197474.pn.	1
<input type="checkbox"/>	L24	5177441.pn.	1
<input type="checkbox"/>	L23	5706813.pn.	1
<input type="checkbox"/>	L22	5552707.pn.	1
<input type="checkbox"/>	L21	5477146.pn.	1
<input type="checkbox"/>	L20	5085219.pn.	1
<input type="checkbox"/>	L19	5197474.pn.	1
	<i>DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>		
<input type="checkbox"/>	L18	fetzner	194
<input type="checkbox"/>	L17	L3 and (biplanar or bi-planar)	15
<input type="checkbox"/>	L16	L2 and (con-join\$4 or conjoin\$4)	0
<input type="checkbox"/>	L15	L3 and (con-join\$4 or conjoin\$4)	0
<input type="checkbox"/>	L14	L4 and (con-join\$4 or conjoin\$4)	0
<input type="checkbox"/>	L13	L12 and (phas\$4)	3
<input type="checkbox"/>	L12	L10 and (butterfly or helmholz or helmholtz or "figure eight" or figure-eight or saddle or solenoid\$4)	8
<input type="checkbox"/>	L11	L10 and (con-join\$4 or conjoin\$4)	0
<input type="checkbox"/>	L10	L5 and (open or vertical\$3)	12
<input type="checkbox"/>	L9	L8 and (open or vertical\$3)	1
<input type="checkbox"/>	L8	L7 and (phas\$4)	2
<input type="checkbox"/>	L7	L6 and (array\$3)	6
<input type="checkbox"/>	L6	L5 and (((radio adj frequency) or RF or radiofrequency or radio-frequency) with coil)	14
<input type="checkbox"/>	L5	L4 and (shoulder)	16
<input type="checkbox"/>	L4	L3 and (shield\$4 with coil)	100
<input type="checkbox"/>	L3	L2 and ((uniplanar or uni-planar or flat or planar or smooth) with gradient with coil)	177
<input type="checkbox"/>	L2	L1 and (gradient with coil with (set or plurality or group or multiple))	1487
<input type="checkbox"/>	L1	((magnetic adj resonance) or MRI or NMR)	168665

END OF SEARCH HISTORY

# Hit List

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
Generate OACS				

Search Results - Record(s) 1 through 1 of 1 returned.

☐ 1. Document ID: US 6278275 B1

Using default format because multiple data bases are involved.

L9: Entry 1 of 1

File: USPT

Aug 21, 2001

US-PAT-NO: 6278275

DOCUMENT-IDENTIFIER: US 6278275 B1

TITLE: Gradient coil set with non-zero first gradient field vector derivative

DATE-ISSUED: August 21, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Petropoulos; Labros S.	Solon	OH		
Schlitt; Heidi A.	Chesterland	OH		

US-CL-CURRENT: 324/318; 324/309, 324/320

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Dc
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Term	Documents
OPEN	2107751
OPENS	366244
VERTICAL\$3	0
VERTICAL	1765608
VERTICALA	9
VERTICALAIR	1
VERTICALALY	4
VERTICALAND	6
VERTICALARM	1
VERTICALBAR	2
VERTICALD	3

(L8 AND (OPEN OR VERTICAL\$3)).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	1
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Generate OACS				

Search Results - Record(s) 1 through 15 of 15 returned.

☐ 1. Document ID: US 6563315 B1

Using default format because multiple data bases are involved.

L17: Entry 1 of 15

File: USPT

May 13, 2003

US-PAT-NO: 6563315

DOCUMENT-IDENTIFIER: US 6563315 B1

**\*\* See image for Certificate of Correction \*\***

TITLE: Gradient coil apparatus and method of micro-imaging

DATE-ISSUED: May 13, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Boskamp; Ed Benjamin	Menomonee Falls	WI		
Williams; Dinsie Belmont	Waukesha	WI		
Lorbiecki; John Edward	Hubertus	WI		

US-CL-CURRENT: 324/318; 324/309

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
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☐ 2. Document ID: US 6262576 B1

L17: Entry 2 of 15

File: USPT

Jul 17, 2001

US-PAT-NO: 6262576

DOCUMENT-IDENTIFIER: US 6262576 B1

TITLE: Phased array planar gradient coil set for MRI systems

DATE-ISSUED: July 17, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Petropoulos; Labros S.	Solon	OH		

US-CL-CURRENT: 324/318; 600/410

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
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☐ 3. Document ID: US 6049207 A

L17: Entry 3 of 15

File: USPT

Apr 11, 2000

US-PAT-NO: 6049207

DOCUMENT-IDENTIFIER: US 6049207 A

TITLE: Double-duty gradient coil assembly having two primary gradient coil sets and a common screening coil set

DATE-ISSUED: April 11, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Petropoulos; Labros S.	Solon	OH		

US-CL-CURRENT: 324/318; 324/322

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Drawn De
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☐ 4. Document ID: US 5977771 A

L17: Entry 4 of 15

File: USPT

Nov 2, 1999

US-PAT-NO: 5977771

DOCUMENT-IDENTIFIER: US 5977771 A

TITLE: Single gradient coil configuration for MRI systems with orthogonal directed magnetic fields

DATE-ISSUED: November 2, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Petropoulos; Labros S.	Solon	OH		

US-CL-CURRENT: 324/318; 324/322

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Drawn De
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☐ 5. Document ID: US 5942898 A

L17: Entry 5 of 15

File: USPT

Aug 24, 1999

US-PAT-NO: 5942898

DOCUMENT-IDENTIFIER: US 5942898 A

TITLE: Thrust balanced bi-planar gradient set for MRI scanners

DATE-ISSUED: August 24, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Petropoulos; Labros S.	Solon	OH		
Morich; Michael A.	Mentor	OH		

US-CL-CURRENT: 324/318; 324/320

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw De
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☐ 6. Document ID: US 5939882 A

L17: Entry 6 of 15

File: USPT

Aug 17, 1999

US-PAT-NO: 5939882

DOCUMENT-IDENTIFIER: US 5939882 A

TITLE: Gradient coil arrangement for a nuclear magnetic resonance tomography apparatus

DATE-ISSUED: August 17, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gebhardt; Matthias	Erlangen			DE
Boemmel; Franz	Erlangen			DE

US-CL-CURRENT: 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw De
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☐ 7. Document ID: US 5655533 A

L17: Entry 7 of 15

File: USPT

Aug 12, 1997

US-PAT-NO: 5655533

DOCUMENT-IDENTIFIER: US 5655533 A

TITLE: Actively shielded orthogonal gradient coils for wrist imaging

DATE-ISSUED: August 12, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Petropoulos; Labros	Cleveland Heights	OH		
Patrick; John L.	Chagrin Falls	OH		
Morich; Michael A.	Mentor	OH		

US-CL-CURRENT: 600/422; 324/318, 324/322

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw. De
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☐ 8. Document ID: US 5610521 A

L17: Entry 8 of 15

File: USPT

Mar 11, 1997

US-PAT-NO: 5610521

DOCUMENT-IDENTIFIER: US 5610521 A

TITLE: Gradient and RF coil system without RF shield

DATE-ISSUED: March 11, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Zou; Xueming	Willoughby	OH		
Patrick; John L.	Chagrin Falls	OH		
Mastandrea; Nicholas J.	Bedford Hts.	OH		

US-CL-CURRENT: 324/318; 324/322

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw. De
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☐ 9. Document ID: US 5585724 A

L17: Entry 9 of 15

File: USPT

Dec 17, 1996

US-PAT-NO: 5585724

DOCUMENT-IDENTIFIER: US 5585724 A

TITLE: Magnetic resonance gradient coils with interstitial gap

DATE-ISSUED: December 17, 1996

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Morich; Michael A.	Mentor	OH		
Petropoulos; Labros S.	Solon	OH		

US-CL-CURRENT: 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw. De
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☐ 10. Document ID: US 5581185 A

L17: Entry 10 of 15

File: USPT

Dec 3, 1996

US-PAT-NO: 5581185



DOCUMENT-IDENTIFIER: US 5581185 A

TITLE: Torque-balanced gradient coils for magnetic resonance imaging

DATE-ISSUED: December 3, 1996

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Petropoulos; Labros	Cleveland Heights	OH		
Patrick; John L.	Chagrin Falls	OH		
Morich; Michael A.	Mentor	OH		

US-CL-CURRENT: 324/318; 324/322

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	RMC	Draw. De
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☐ 11. Document ID: US 5485087 A

L17: Entry 11 of 15

File: USPT

Jan 16, 1996

US-PAT-NO: 5485087

DOCUMENT-IDENTIFIER: US 5485087 A

TITLE: Magnetic resonance insert gradient coils with parabolic returns for improved access

DATE-ISSUED: January 16, 1996

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Morich; Michael A.	Mentor	OH		
Petropoulos; Labros	Cleveland Heights	OH		
Lampman; David A.	Eastlake	OH		

US-CL-CURRENT: 324/318; 600/422

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	RMC	Draw. De
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☐ 12. Document ID: US 5394086 A

L17: Entry 12 of 15

File: USPT

Feb 28, 1995

US-PAT-NO: 5394086

DOCUMENT-IDENTIFIER: US 5394086 A

TITLE: Feed cable system for coils in high magnetic fields

DATE-ISSUED: February 28, 1995

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Patrick; John L.	Chagrin Falls	OH		
Orlando; Paul T.	Mentor	OH		
Mastandrea; Nicholas J.	Bedford Heights	OH		

US-CL-CURRENT: 324/318; 324/322

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw. Ds
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☐ 13. Document ID: US 5280248 A

L17: Entry 13 of 15

File: USPT

Jan 18, 1994

US-PAT-NO: 5280248

DOCUMENT-IDENTIFIER: US 5280248 A

TITLE: Biplanar RF coil for magnetic resonance imaging systems

DATE-ISSUED: January 18, 1994

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Zou; Xueming	Willoughby	OH		
Patrick; John L.	Chagrin Falls	OH		
Mastandrea; Nicholas J.	Bedford Hts.	OH		

US-CL-CURRENT: 324/318; 600/422

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw. Ds
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☐ 14. Document ID: US 5036282 A

L17: Entry 14 of 15

File: USPT

Jul 30, 1991

US-PAT-NO: 5036282

DOCUMENT-IDENTIFIER: US 5036282 A

TITLE: Biplanar gradient coil for magnetic resonance imaging systems

DATE-ISSUED: July 30, 1991

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Morich; Michael A.	Richmond Heights	OH		
Martens; Michael A.	Euclid	OH		
Brown; Robert W.	Solon	OH		

US-CL-CURRENT: 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Drawings
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☐ 15. Document ID: EP 1102079 A2, US 6262576 B1

L17: Entry 15 of 15

File: DWPI

May 23, 2001

DERWENT-ACC-NO: 2001-434518

DERWENT-WEEK: 200148

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TITLE: Magnetic resonance imaging apparatus for use with localized MR spectroscopy system, supplies current to planar gradient coil assembly, to generate magnetic field gradients selectively across examination region

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Drawings
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Term	Documents
BIPLANAR	575
BIPLANARS	0
BI-PLANAR	300
BI-PLANARS	0
((BI-PLANAR OR BIPLANAR) AND 3).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	15
(L3 AND (BIPLANAR OR BI- PLANAR)).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	15

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